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JAN 08 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

LISTING OF CLAIMS:

1.-6. (Cancelled)

7. (Previously Presented) A sintering method for a W-Cu composite material without exuding of Cu comprising the steps of:

- (a) preparing a W-Cu composite powder comprised of W and Cu powders prepared by mixing $\text{WO}_3/\text{WO}_{2.9}$ powder and $\text{CuO}/\text{Cu}_2\text{O}$ powder;
- (b) compacting the W-Cu composite powder to a W-Cu composite material;
- (c) densifying the W-Cu composite material by holding the W-Cu composite material at a temperature of about 800 to about 1083°C under a reduction atmosphere; and
- (d) sintering the W-Cu composite material at a temperature ranging from about 1200 to about 1400°C without an isothermal hold.

8. (Previously Presented) The method of claim 7, wherein the densifying step is performed for about 0.5 to about 10 hours.

9. (Previously Presented) A sintering method for a W-Cu composite material without exuding of Cu comprising:

- (a) preparing a W-Cu composite powder comprised of W and Cu powders prepared by mixing $\text{WO}_3/\text{WO}_{2.9}$ powder and $\text{CuO}/\text{Cu}_2\text{O}$ powder;
- (b) compacting the W-Cu composite powder to a W-Cu composite material;
- (c) densifying the W-Cu composite material by holding the W-Cu composite material at a temperature ranging from about 1083 to about 1150°C under a reduction atmosphere; and
- (d) sintering the W-Cu composite material at a temperature ranging from about 1200 to about 1400°C without an isothermal hold.

10. (Previously Presented) The method of claim 9, wherein the densifying step is performed for about 0.5 to about 10 hours.

11. (Previously Presented) The method of claim 7 wherein the W-Cu composite powder formed is round and the W powder surrounds the Cu powder.

12. (Previously Presented) The method of claim 9 wherein the W-Cu composite powder formed is round and the W powder surrounds the Cu powder.

13. (New) The method of claim 7 wherein the amount of Cu present in the W-Cu composite material ranges from 35 to 45 wt %, inclusive.

14. (New) The method of claim 9 wherein the amount of Cu present in the W-Cu composite material ranges from 35 to 45 wt %, inclusive.